

SHIP MONDAY

OR SOONER

Page 1

Work Order ID 58664

Thursday, May 13, 2010 11:07:41 AM



Item ID: D350-561-141

Accept



Setup Start



Revision ID:

Stop



Item Name: Single Cargo Mirror Assembly

Start Date: 5/13/2010 Start Qty: 2.00



Cust Item ID:

Required Date: 5/17/2010 Req'd Qty: 2.00



Customer:

Reference:

Run Start



Approvals:

Process Plan:

MF

Date: 10-5-13 Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	----------------	--------------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

N/A

Rev N/A

100



DC

Document Control

DOCUMENT CONTROL

0.00

Memo

0.00

Photocopy bluefile and create labels per PPP D350-561-141 CHG003

S. 10/5/14

H. 10/5/14 BG 10/05/14

105



Packaging

Packaging

Pick Kit

0.00

Memo

0.00

10-5-13 S

110



QC

Quality Control

QC4- 100% Inspect kits for completeness

0.00

Memo

0.00

S. 10/5/14

(42)

W/O:			WORK ORDER CHANGES					
DATE	STEP		PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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Cust Item ID:

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Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	----------------	--------------	--------------	---------------	---------------	------------------	----------------

120

0.00



Packaging

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D350-561-141

NW C

130

0.00



QC21- Final Inspection - Work Order Release

QC

Memo

0.00

Quality Control

MF
10-5-18

W/O:			WORK ORDER CHANGES					
DATE	STEP		PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

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Required Date: 5/17/2010

Required Qty: 2.00

Component Item ID/	Replacement	Mfg/	Bin	Primary	Last	Route	Unit of	Qty on	Qty per Kit	Qty	Date	Status
S D D2011-101 6" Mirror	✓	Manufactured	No			105	Each	0.0000	1			
D2012-105	✓	Manufactured	No			105	Each	3.0000	1			
S D Arm												
D2012-107	✓	Manufactured	No			105	Each	32.0000	1			
S D Clevis												
D2012-111	✓	Manufactured	No			105	Each	19.0000	1			
S D Bracket												
D2012-115	✓	Manufactured	No			105	Each	60.0000	1			
S D Bracket, Clevis												

Location

ST229

57544

Loc Qty

3

3

Loc Code

Location

ST004

40274

46634

Loc Qty

32

14

18

Loc Code

Location

ST004

40148

Loc Qty

19

19

Loc Code

Location

ST004

25581

Loc Qty

60

60

Loc Code

W/O:			WORK ORDER CHANGES					
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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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Picklist Print

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Work Order ID: 58664

Parent Item: D350-561-141

Parent Item Name: Single Cargo Mirror Assembly


Comments: IPP A 07.07.26 new issue (DSI9379) EC verified by:JLM IPP rev
B 10.02.16 per ecn 10-523 EC verified by: DD IPP Rev:C add pick kit
DD 10.03.15 verified by:EC

Start Date: 5/13/2010

Required Date: 5/17/2010

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/	Replacement	Mfg/	Bin	Primary	Last	Route	Unit of	Qty on	Qty per Kit	Qty	Date	Status
D2022-101 <i>52</i>		Manufactured	No			105	Each	253.0000	2			
												
Spacer												

Location

Loc Qty

Loc Code

ST504

253

45885

53

50746

100

52325

100

D3629-1 *52*

Manufactured No

105

Each

14.0000

1

Bracket

Location

Loc Qty

Loc Code

ST244A

14

48560

14

D3635-1 *52*

Manufactured No

105

Each

6.0000

1

Gasket

Location

Loc Qty

Loc Code

ST076

6

52914

6

D3635-3 *52*

Manufactured No

105

Each

50.0000

2

Gasket

Location

Loc Qty

Loc Code

ST076

50

56399

50

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W/O:			WORK ORDER CHANGES					
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Parent Item Name: Single Cargo Mirror Assembly





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DD 10.03.15 verified by:EC

Start Date: 5/13/2010

Required Date: 5/17/2010

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/	Replacement	Mfg/	Bin	Primary	Last	Route	Unit of	Qty on	Qty per Kit	Qty	Date	Status
D3646-1 		Manufactured	No			105	Each	1.0000	1			
Arm												
					<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>			
					ST229		1					
					53892		1					
D3646-3 		Manufactured	No			105	Each	8.0000	1			
Arm												
					<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>			
					ST229		8					
					52668		8					
D4070-041 		Manufactured	No			105	Each	79.0000	2			
Clamp												
					<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>			
					ST460		79					
					56381		79					
AN3-4A 		Purchased	No			105	Each	1,422.000	3			
Bolt												
					<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>			
					ST350		1422					
					104214		261					
					104291		300					
					104322		200					
					104374		200					
					104625		300					
					104817		161					

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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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Work Order ID: 58664

Parent Item: D350-561-141

Parent Item Name: Single Cargo Mirror Assembly

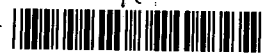




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DD 10.03.15 verified by:EC

Start Date: 5/13/2010

Required Date: 5/17/2010

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/	Replacement	Mfg/	Bin	Primary	Last	Route	Unit of	Qty on	Qty per Kit	Qty	Date	Status
AN3-6A <i>xl</i>  Bolt		Purchased	No			105	Each	198.0000	1		10-5-13SD	
						<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>		
						ST351		198				
						113359		198				
AN4-5A <i>xl</i>  Bolt		Purchased	No			105	Each	262.0000	3		10-5-13SD	
						<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>		
						ST356		262				
						114108		62				
						114330		200				
AN4-10A <i>xl</i>  Bolt		Purchased	No			105	Each	150.0000	1		10-5-13SD	
						<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>		
						ST356		150				
						112969		1				
						113422		49				
						114523		100				
AN960JD10 <i>xl</i>  Washer		Purchased	No			105	Each	0.0000	8		1114292 10-5-13SD	
AN960JD416 <i>xl</i>  Washer		Purchased	No			105	Each	0.0000	8		1114576 10-5-13SD	

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Parent Item: D350-561-141



Parent Item Name: Single Cargo Mirror Assembly

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Required Date: 5/17/2010

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DD 10.03.15 verified by:EC

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/	Replacement	Mfg/	Bin	Primary	Last	Route	Unit of	Qty on	Qty per Kit	Qty	Date	Status
MS21042L3		Purchased	No			105	Each	1,561.000	4			



10-5-735

Nut

Location

Loc Qty

Loc Code

ST300

1561

113537

20

113644

541

114523

1000

Purchased

No

105

Each

1,863.000

4



10-5-135

(24)

MS21042L4

Nut

Location

Loc Qty

Loc Code

ST139

2

111827

2

ST300

1861

113422

80

114523

1773

9063

8

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DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS D350-561 REV. C

REF. CANADIAN STC: SH91-20 ISSUE 2

REF. FAA STC: SH856NE

REFERENCE ONLY

To reduce vibration, Dart has developed the D350-561-141/-143 Mirror Installations to replace the D350-561-041/-043 Mirror Installations. For customers with D350-561-041/-043 Mirror Installations at CHG 005 or earlier who would like to upgrade their installation, the DSI 9379-011 Upgrade Kit can be obtained from Dart. The components for DSI 9379-011 Kit are as defined in Section 1.0 below.

Customers upgrading their installation from D350-561-041/-043 to D350-561-141/-143 should follow instructions given in Figures 1 through 5 of DSI 9379 and refer to Installation Instructions D350-561 Rev. C as applicable.

Customers who are installing a D350-561-141/-143, should refer to Figures 2 through 5 of DSI 9379 and refer to Installation Instructions D350-561 Rev. C as applicable.

This service instruction details the D350-561-141/-143 kits at CHANGE 003 or later, which use D4070-041 Clamps (replaces MS21919WDG7 clamps). For -141/-143 kits at earlier change numbers, the DSI-9379-013 Upgrade Kit is available to replace the mil-spec clamps with more robust D4070-041 Clamps.

1.0 PARTS LIST

Qty -041	Qty -043	Qty -045	Qty -011	Qty -013	Part Number	Description
					D350-561-141	SINGLE MIRROR INSTALLATION (REPLACES -041)
					D350-561-143	DUAL MIRROR INSTALLATION (REPLACES -043)
					D350-561-045	MIRROR KIT
			X		DSI-9379-011	UPGRADE KIT
				X	DSI-9379-013	UPGRADE KIT
					D2011-101	MIRROR
					D2012-105	ARM
					D2012-107	CLEVIS
					D2012-111	BRACKET
					D2012-113	CLAMP
					D2012-115	BRACKET
					D2022-101	SPACER
					D3014-1	LOCKNUT
			1		D3629-1	BRACKET
			1		D3635-1	GASKET
			2		D3635-3	GASKET
			1		D3646-1	ARM
			1		D3646-3	ARM
			2	2	D4070-041	CLAMP
			3		AN3-4A	BOLT
					AN3-6A	BOLT
			2	2	AN4-5A	BOLT
					AN4-10A	BOLT
			6		AN960JD10	WASHER
			4	4	AN960JD415	WASHER
					AN960JD416L	WASHER
			3		MS21042L3	NUT (OR MS21042-3)
			2		MS21042L4	NUT (OR MS21042-4)

*INCLUDED AS PART OF D2011-101 MIRROR

CANADA
 DEPARTMENT OF TRANSPORT
 AIRCRAFT CERTIFICATION
 BRANCH
 DART 61-0-01
 BY: *[Signature]*
 DATE: 10.02.12
 CERT. NO.: 3281-20
 ISSUE NO.:

C	D4070-041 WAS MS21919WDG7	CP	10.02.12
B	MS21919WDG7 WAS MS21929WDG7	DC	07.11.26
A	NEW ISSUE	MB	07.07.10
REV.		BY	DATE
DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. C
MFG. APPR.		DSI 9379	SHEET 1 OF 5
APPROVED		TITLE	SCALE
DE APPR.		CARGO MIRROR UPGRADE KIT	NTS
DATE	10.02.12	COPYRIGHT © 2007 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR AS A COMMUNICATION TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

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